

Production of Eggs in Severe Weather

Guiding Hints to Assure Production of Eggs During Cold Weather. Breed, Feed and Care of Birds the Important Considerations.

(Written for The Advance by an expert) Can eggs be produced in severe winter weather?

The answer to this question is "yes," but only when regard is given to the following guiding hints on successful poultry keeping during the winter months.

When we expect our birds to lay eggs throughout the year we are expecting what nature has not provided for and therefore must first make up our minds to make the extra provision first and realize that without making such provision it is useless to hope for success in this industry.

First we must have birds that are bred to lay, that is, birds from stock that is of a strain which has a great deal of careful selection and wise breeding behind it. These birds will be of a great size for their breed and with fine, robust, healthy appearance, deep bodies that indicate ability to produce for long periods at a time, and vitality that marks them as active and hard working specimens. All the birds you raise from a flock of chicks will not be of the type you require for heavy production. Therefore you must cull out all birds that do not measure up and thereby eliminate the ones that are inclined to be weak or too small and lacking in vitality. By culling carefully you reduce the disease hazard, as the poor producers are usually the first to contract cold and other dis-

eases common to poultry and are a constant source of trouble in your flock. You, of course, save the feed; that also is a consideration when you cull out the drones.

Your next consideration is feed. An egg weighs around 2 ounces and is 13 p.c. protein, so you must have a mash that runs at least 18 p.c. protein. If you can secure a mash of 20 p.c. protein that is carefully balanced and contains a good number of carefully selected ingredients you can feel sure you are supplying your flock with the necessary requirements in mash. With a well chosen scratch feed of at least four or six grains that are of a good quality you can provide all that is needed for dry feed. Grit, oyster shell and charcoal are absolutely necessary to provide the bird with the proper material for the assimilation of her feed and succulent green feed should never be overlooked. Water should be provided for every hour the birds are off the roost and should be available in good quantity early in the morning as it is the first requirement of a layer in the morning and the last at night. It should have the chill taken off it, to prevent the birds from being chilled when they drink.

The methods suggested by the best authorities on poultry for feeding are as follows. Dry mash available all the time in hoppers, and scratch feed fed twice a day. Give the birds about one third their scratch feed in the morning and two thirds at night. The amount should be about two ounces per day per bird. When they are getting the proper amount of each they will be eating about the same amount of mash as scratch, grit shell and charcoal should always be in hoppers before the birds and plenty of green feed should be given daily.

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Comfortable houses are necessary and should not be allowed to vary with the extreme changes in outside temperatures. Ventilation is absolutely necessary for the health of your flock, also in extremely cold weather artificial heat is essential. Heat without plenty of ventilation is injurious as it takes the necessary oxygen from the air but ventilation without heat is equally dangerous as it causes colds and many other diseases. It is interesting to note that the best egg production in Canada is secured in the moderate climate of British Columbia. This bears out the contention that it is necessary to moderate the climate in your poultry house with some method of heating.

Dry clean litter and plenty of light are other essentials and drafts must be avoided, entirely. These simple rules strictly adhered to will provide valuable guidance and should be kept for reference.

Always remember that a few extra eggs easily pay for the extra cost of fine quality in feeds and that no one can tell better than the birds themselves when one tries to economize by cheapening the feed.

Convicted at Amos, Que., on Unlawful Assembly Charge

After a jury in the Court of King's Bench at Amos, Que., had listened to evidence at his trial for eight hours, Matvey Nesteruk suddenly arose in the prisoner's dock Saturday and pleaded guilty to a charge of being a member of an unlawful assembly. He will be sentenced later.

Frank Grubisch was convicted of the same charge Friday and, like Nesteruk, is awaiting sentence at the end of the present term of court.

Both men faced charges as the result of Communist May Day riots at Rouyn, Que., in 1932, then Police Chief E. E. Lapointe was shot in the arm and Constable Godelle, of the Royal Canadian Mounted Police, injured by a stone thrown by the mob.

Police arrested 32 men and 29 convictions were registered at a special court sitting presided over by Magistrate J. S. Couture, of Three Rivers, Quebec.

The Government deported 13 of the prisoners as undesirable. The others received jail terms of various lengths.

Grubisch escaped while awaiting trial, but was recaptured at Kirkland Lake, Ont., last January. He has been in jail here since that time, having elected trial by jury before the assizes.

They had been married just six months. "Jack, dear," she murmured, "I hardly know how to tell you, but soon—soon—there will be a third in our little love nest."

"My darling," he said, "are you certain?"

"Positive," she replied, "I had a letter from mother this afternoon saying she would arrive next week."

—Exchange

Inspiring Story of the McIntyre Mine

Impressive Performance of the McIntyre-Porcupine Mine. Early Trials and Tribulations. Enjoys Exceptional Growth.

(From the Annual Number of The Northern Miner)

Canada's third largest gold mine—McIntyre-Porcupine Mines, Limited—approaches its 23rd birthday in a proud position and with every assurance of a long life ahead.

The rise of the mine to its present prominent status is one of the many romances in the history of gold mining in the Dominion. Memories of vicissitudes of its early days have long been banished by thoughts of happier developments until to-day McIntyre stands on the threshold of a period which gives promise of the reaping of a splendid harvest.

While the history of McIntyre, which today has a property of close to 700 acres in a single block, as compared with its original claim holdings of 52 acres, has been told many times and can always stand repeating, particularly when its remarkably large production in the last 22 years and its bright outlook for the future is considered.

During the life of the property to date the ore milled has been over 7,000,000 tons and the total value recovered close to \$60,000,000. Ore reserves today exceed 2,600,000 tons and have a gross value in excess of \$20,000,000 at old standard prices.

Additional Acreage Acquired

The management of McIntyre has displayed much ability in finding new ore to replace that produced each year and has also been very successful in the gradual acquisition and development of additional acreage. With the ore zone raking to the east the necessity of additional areas was early apparent and in 1917 the McIntyre-Extension and McIntyre-Jupiter claims, originally the Jupiter Mines and Pearl Lake Gold Mines, were acquired.

Seven years later the company further increased its holdings by the acquisition of the Plenaum claims and the Platt Veteran claims, which adjoined their other ground to the east. These additions gave a property length of about one and half miles along an ore zone that has been proven productive for that distance. Today great interest is centred on the Platt Veteran property where developments have been of major importance and are believed to indicate an area of great ore value.

From year to year, for some time, annual statements of the company have continued to portray a glowing record of splendid mine and mill achievement and the future possibilities today appear to be more than usually attractive. Underground development has given highly favourable results and the policy of the management in acquiring new ground has been amply justified when it is realized that nearly 50 per cent of the vast tonnage removed to date has been from this additional acreage and that nearly three-quarters of the present ore reserves are distributed throughout this area.

An Impressive Performance

The performance of this company has been an impressive one for years and the fiscal period ended March 31st, again saw another successful 12 months chalked up to its credit. The report for that year disclosed new high records of gross production and earnings, before adding exchange compensation, as well as a decidedly healthy condition of the mine, which continued to add to ore reserves. Tonnage of ore milled increased about 10 per cent over the previous year and resulted in an additional recovery of net gold to the value of over \$430,000, in spite of the fact that the grade of ore milled was lower.

The above all indicates that McIntyre is coming into its own and that a deep-rooted harvest is fast ripening so this story can now go on with the history of the property, which dates back to the time "Sandy" McIntyre staked the original holdings in 1909. The discovery, around which has grown the big McIntyre Mines of to-day, was disposed of for a mere pittance. Little did McIntyre dream when he sold his holdings that they would provide the nucleus for the development of the present outstanding gold producer.

It was in March, 1911, that the company was organized under the laws of the Province of Ontario. The capitalization was 200,000 shares of \$5 par. While the original staking on the south shore of Pearl Lake only measured 52 acres there was added to this the same year a 28-acre fraction and the bed of Pearl Lake was also purchased, giving the company holdings of 148 acres. Little of the original stock issued was sold in Canada, being mostly disposed of in Great Britain and the United States at first \$2 and later \$3 a share.

Many Trials and Tribulations

The early history of McIntyre well exemplifies the trials and tribulations many mining companies experience before they become producers. The financial difficulties were of the worst possible nature and it is claimed that when production finally started the gold bricks were not even allowed to cool off before they were rushed to the bank to meet pressing financial obligations.

It was not until the following year that finding of finances was somewhat eased and this was due to the arrival of the railway at the camp. Up to that time work had been concentrated on the opening of the veins which were traced from the Hollinger onto the McIntyre property, and there was talk of installing a small stamp mill with a daily capacity of less than 50 tons.

With the coming of the railway the stamp mill became a reality and the first gold brick, valued at \$13,000, was paid to the property vendors on their account. In May of that year the mill is said to have been producing about \$1,000 a day, and in July directors were informed that the mill was paying expenses and that \$31,000 had been paid

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47-49

towards the property vendors indebtedness. It was a difficult year for the young mine, however, and was followed by further hardship when a strike went into effect in the Porcupine camp.

With no money in the treasury with which to satisfy the creditors the outlook was black, but some of the larger shareholders came to the rescue and made loans sufficient to wipe out the last of the property payments. It was in January, 1913, that the company decided to build a 150-ton cyanide plant and in March this was producing. The strike was concluded the same month but financial worries were not at an end. The following month there was talk of doubling the capacity of the mill.

J. P. Bickell, president of the company, went on the board of directors in June of that year. The following year it was decided to issue \$250,000 in 7 p.c. bonds to alleviate the money difficulties. Each bond \$500 denomination was accompanied by 100 shares of common stock which was donated by the shareholders. The plight of the company was almost desperate at this time. It was reported the camp doctor took stock for medical treatment, bonds were taken for some of the machinery, directors loaned money heavily, taking notes, and the banks held the company's insurance policies.

The courage which has carried the company through to its present prominence was much in evidence during the early part of 1914, despite the fact that financial worries were numerous. A decision was made about this time to sink the No. 4 shaft to the 400-foot level, and the mill at this time was handling 260 tons of ore daily.

The company's board was strengthened in 1915 by the addition of Col. Hay, J. B. Tudhope, W. J. Sheppard and Sir H. Pellatt, and Col. Hay was named as president. The current liabilities at the end of the fiscal year were \$175,000, but this year witnessed a beginning of better conditions.

Secure Adjoining Ground

Negotiations were started that summer with a view to acquiring some of the adjoining ground which has since proved so important in the history of the mine. The Jupiter claim and the Pearl Lake property were secured, the latter at a sheriff's sale and J. P. Bickell guaranteed the company's paper.

A mill increase was authorized the following summer which made the plant capacity 600 tons. Late in 1916 the capital was increased to \$4,000,000, and in December steps were taken to acquire the Plenaum property. This deal was completed in January and the same month J. P. Bickell was made president of the company. The first dividend was paid in February and the second one in May of the same year, and the following year a regular dividend policy was established. By this time the company was out of the financial woods and able to buy government bonds.

The Platt Veteran claim, now the scene of important depth developments and giving promise of a new mine, was purchased in 1924 and the following year it was decided to put down a shaft of dimensions and depth hitherto unknown in Northern Ontario. This job was carried out in two years by Harry Kee. Then in 1930 a new mill, which had been carefully designed and long planned, was commenced and completed the following year. The full productive capacity of the plant, which is 2,300 tons daily, was in evidence in 1932. Into it J. J. Denny, brilliant metallurgist, introduced radical departures, highly successful, that have brought visitors from all parts of the gold mining world.

Enjoys Exceptional Growth
The exceptional growth which the company has enjoyed is best shown in a comparison of production figures. For the full year 1912 the gold output was valued at \$76,164 and in the year ending March 31st, 1933, was over \$5,750,000. The last fiscal year showed, as noted above, a highly successful performance, and the company which struggled for years to keep out of the sheriff's hands now shows a treasury in a decidedly strong liquid position. There are 12 shafts on the property and workings are to be at 7,000 feet the end of next year.

With what now appears to be clear sailing ahead it is interesting to remember that the management of the mine is today in the same hands that brought it from the prospect stage to its present commanding position. The current market valuation of the property is \$36,000,000, and this will appear low to many when compared with the other big northern producers. McIntyre, however, is only capitalized at 800,000, \$5 par value shares, of which 798,000 are issued. The company has approximately 3,600 shareholders and these have been pretty evenly divided between Canadian and American holders, but lately heavy American purchases have disturbed the balance.

Richard J. Ennis has managed the McIntyre Mine from its beginning, and is as eager, as enthusiastic about it as in those younger fighting days that so appealed to a disposition always ready to meet a challenge. It's his mine.

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